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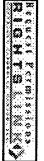
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A supercomputer system interconnect and scalable IOS

This paper appears in: Mass Storage Systems, 1995. 'Storage - At the Forefront of Information Infrastructures', Proceedings of the

Fourteenth IEEE Symposium on

Publication Date: 11-14 Sept. 1995

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Location: Monterey, CA

INSPEC Accession Number:5113123

Digital Object Identifier: 10.1109/MASS.1995.528245

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and data on a single, physical path while providing low latency and variance for control messages. Extensive features for client isolation, along with implementation and protocol specifics diagnostic capabilities, and fault tolerance have been incorporated into the design. The attributes and features of this channel are discussed requirements in future systems. The channel has a ring-based architecture, but can also function as a point-to-point link. It integrates control bandwidth, a high level of resiliency, and flexibility. Cray Research Inc. is developing a new system channel to meet these interconnect Attributes required of the new interconnect include commonality among system and subsystem types, scalability, low latency, high The evolution of system architectures and system configurations has created the need for a new supercomputer system interconnect

index Terms

Controlled Indexing

protocols system buses

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client isolation fault tolerance point-to-point link ring-based architecture scalable IOS supersomputer system

interconnect system configurations

Not Available **Author Keywords** 

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No references available on IEEE Xplore.

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